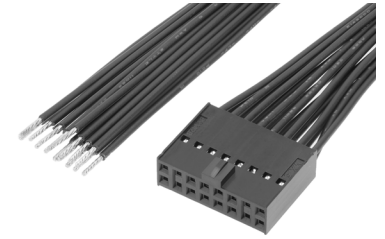


# Off-the-Shelf (OTS) C-Grid III Cable Assemblies >

OTS C-Grid III Cable Assemblies offer complete design flexibility and unique design features to facilitate both prototyping and global preproduction



OTS C-Grid III Cable Assemblies

## FEATURES AND ADVANTAGES

### Gold flash and two-sided gold plating on contact available

Offers a more cost-effective solution



### Polarization and friction-lock feature

Helps prevent mismating during assembly

### High mechanical stability after soldering

Helps ensure reliable connector performance



### High pin retention force

Provides excellent retention for secure locking and proper mating

### Single- and dual-row options available

Provides design flexibility



### Easy breakaway feature

Produces smaller sizes for design flexibility and quick turnaround

## MARKETS AND APPLICATIONS

### Automotive

Infotainment systems  
Safety systems

### Consumer

Desktop PCs  
Home entertainment systems  
Monitors  
Office equipment  
Vending machines  
White goods

### Industrial

Industrial equipment  
Measurement equipment

### MedTech

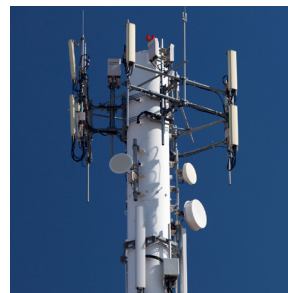
Laboratory devices  
Medical equipment

### Telecom/Datacom

Exchange station  
Base stations  
Control rooms  
Servers



Vending Machine



Base Station



Medical Equipment

# Off-the-Shelf (OTS) C-Grid III Cable Assemblies >

## SPECIFICATIONS

### REFERENCE INFORMATION

Packaging:  
 UL File No.: E29179\*  
 CSA File No.:  
 Use With: 90119  
 Insulation Diameter: 1.02 to 1.47mm  
 Designed In: Millimeters  
 RoHS: Yes  
 Halogen Free: No  
 Glow Wire Capable: No

### MECHANICAL

Terminal Insertion Force: Gold 1N and Tin 3N  
 Terminal Retention to Housing: 20N (min)\*  
 Mating Force (max.): 1N per contact  
 Unmating Force (min.): 0.2N Per contact  
 Durability (Min.): 30 Cycle

### PHYSICAL

Housing: Polyphenylene Oxide 94 VI  
 Contact: Phosphorous Bronze  
 Plating: Tin, Gold, and Gold flash  
 Contact Area—Gold or Tin  
 Underplating—Nickel  
 Operating Temperature: -55 to + 125°C

### ELECTRICAL

Current (max.): 3.0A  
 Contact Resistance(max.): 20 milliohms\*  
 Dielectric Withstanding Voltage: 1000V  
 Insulation Resistance:  
 Headers 5000 Megaohms (min.)\*  
 PCB connectors 1000 Megaohms (min.)

\*The specification given is based on the connector used.

## ORDERING INFORMATION

Series	Component	Type	Circuits	Length (mm)
<a href="#">219658</a>	C-Grid III Cable Assemblies	R-R	8, 10, 12, 14 and 16	150.00, 300.00, 600.00
<a href="#">219659</a>		R-S		

[www.molex.com/link/otscableassemblies.html](http://www.molex.com/link/otscableassemblies.html)